

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Eisenzopf Reinhold Examiner #: 59778 Date: 3/26/03
Art Unit: 200 Phone Number 30 _____ Serial Number: 101005-483
Mail Box and Bldg/Room Location: PK 28A37 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

10/
US 5,982,807

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>KEJ</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>\$1</u>
Date Searcher Picked Up: <u>3/26</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>3/26</u>	Litigation <u>X</u>	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: <u>20</u>	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

Query/Command : prt max legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT

PN - US5982807 A 19991109 [US5982807]
TI - (A) High data rate spread spectrum transceiver and associated methods
PA - (A) HARRIS CORP (US)
PA0 - Harris Corporation, Palm Bay FL [US]
IN - (A) SNELL JAMES LEROY (US)
AP - US81984697 19970317 [1997US-0819846]
PR - US81984697 19970317 [1997US-0819846]
IC - (A) H04B-015/00
EC - H04B-001/707
H04L-027/18
PCL - ORIGINAL (O) : 375146000; CROSS-REFERENCE (X) : 370342000 375150000
DT - Corresponding document
CT - US4626796; US5103459; US5309474; US5367516; US5416797; US5497395; US5515396; US5535329;
US5577025; US5598154; US5621752; US5659573; US5682404; US5790534
Harris Corporation Application Note entitled "Harris PRISM Chip Set", No. AN9614, Mar. 1996.

Harris Corporation, "PRISM 2.4 GHz Chip Set", File No. 4063.4, Oct. 1996.

Harris Corporation Tech Brief entitled "A Brief Tutorial on Spread Spectrum and Packet Radio", No. TB337.1, May 1996.

Harris Corporation, "Direct Sequence Spread Spectrum Baseband Processor", File No. 4064.4, Oct. 1996.

STG - (A) United States patent
AB - A spread spectrum radio transceiver includes a high data rate baseband processor and a radio circuit connecte thereto. The baseband processor preferably includes a modulator for spread spectrum phase shift keying (PSK) modulating information for transmission via the radio circuit. The modulator may include at least one modified Walsh code function encoder for encoding information according to a modified Walsh code for substantially reducing an average DC signal component to thereby enhance overall system performance wher AC-coupling the received signal through at least one analog-to-digital converter to the demodulator. The demodulator is for spread spectrum PSK demodulating information received from the radio circuit. The modulator and demodulator are each preferably operable in one of a bi-phase PSK (BPSK) mode at a first dai rate and a quadrature PSK (QPSK) mode at a second data rate. These formats may also be switched on-the-fl; in the demodulator. Method aspects are also disclosed.

1 / 1 LGST - ©LEGSTAT

PN - US 5982807 [US5982807]
AP - US 819846/97 19970317 [1997US-0819846]
DT - US-P
ACT - 19970317 US/AE-A
APPLICATION DATA (PATENT)
US 819846/97 19970317 [1997US-0819846]

19991109 US/A
PATENT

20020924 US/RF
REISSUE APPLICATION FILED
20021109

UP - 2002-39

1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,982,807 A 19991109 [US5982807]

PA - Harris Corp

ACT - 20021109 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20020924

REISSUE REQUEST NUMBER: 10/005843

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2734

Reissue Patent Number:

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5982807

LEXIS-NEXIS
Library: **PATENT**
File: **ALL**

<=1> GET 1st DRAWING SHEET OF 8

November 9, 1999

High data rate spread spectrum transceiver and associated
methods

REISSUE: September 9, 2002 - Reissue Application filed Ex. Gp.: 2734; Re. S.N.
10/005,843 (O.G. September 24, 2002)

APPL-NO: 819846 (08)

FILED-DATE: March 17, 1997

GRANTED-DATE: November 9, 1999

CORE TERMS: chip, bit, demodulator, transceiver, spread, spectrum, modulator,
phase, carrier, modified ...

ENGLISH-ABST:

A spread spectrum radio transceiver includes a high data rate baseband processor and a radio circuit connected thereto. The baseband processor preferably includes a modulator for spread spectrum phase shift keying (PSK) modulating information for transmission via the radio circuit. The modulator may include at least one modified Walsh code function encoder for encoding information according to a modified Walsh code for substantially reducing an average DC signal component to thereby enhance overall system performance when AC-coupling the received signal through at least one analog-to-digital converter to the demodulator. The demodulator is for spread spectrum PSK demodulating information received from the radio circuit. The modulator and demodulator are each preferably operable in one of a bi-phase PSK (BPSK) mode at a first data rate and a quadrature PSK (QPSK) mode at a second data rate. These formats may also be switched on-the-fly in the demodulator. Method aspects are also disclosed.

5,982,807 OR 5982807

LEXIS-NEXIS
Library: PATENT
File: CASES

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What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

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LEXIS-NEXIS
Library: PATENT
File: JNLS

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5,982,807 OR 5982807

LEXIS-NEXIS
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File: **CURNWS**

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For further explanation, press the H key (for HELP) and then the ENTER key.

File 345:Inpadoc/Fam.& Legal Stat 1968-2003/UD=200311
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Set	Items	Description
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? s	pn=us 5982807	
	S1	1 PN=US 5982807
? t	1/39/1	

1/39/1
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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14651993
Basic Patent (No,Kind,Date): EP 866588 A2 19980923 <No. of Patents: 004>
Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
EP 866588	A2	19980923	EP 98103451	A	19980226	(BASIC)
EP 866588	A3	20021204	EP 98103451	A	19980226	
JP 10322242	A2	19981204	JP 9867463	A	19980317	
US 5982807	A	19991109	US 819846	A	19970317	

Priority Data (No,Kind,Date):
US 819846 A 19970317

PATENT FAMILY:
EUROPEAN PATENT OFFICE (EP)
Patent (No,Kind,Date): EP 866588 A2 19980923
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ASSOCIATED METHODS
(English; French; German)
Patent Assignee: HARRIS CORP (US)
Author (Inventor): SNELL JAMES LEROY (US)
Priority (No,Kind,Date): US 819846 A 19970317
Applic (No,Kind,Date): EP 98103451 A 19980226
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/30
Derwent WPI Acc No: * G 98-483328; G 98-483328
Language of Document: English
Patent (No,Kind,Date): EP 866588 A3 20021204
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ASSOCIATED METHODS
(English; French; German)
Patent Assignee: HARRIS CORP (US)
Author (Inventor): SNELL JAMES LEROY (US)
Priority (No,Kind,Date): US 819846 A 19970317
Applic (No,Kind,Date): EP 98103451 A 19980226
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/30; H04B-001/707; H04L-012/28
Derwent WPI Acc No: * G 98-483328
Language of Document: English

EUROPEAN PATENT OFFICE (EP)
Legal Status (No,Type,Date,Code,Text):

EP 866588	P	19970317	EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
			US 819846 A	19970317	
EP 866588	P	19980226	EP AE	EP-APPLICATION	(EUROPAEISCHE ANMELDUNG)
			EP 98103451 A	19980226	
EP 866588	P	19980923	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH	

REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE
EP 866588 P 19980923 EP AX ERSTRECKUNG DES
EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON
BENENNUNGSGEBUHREN)
AL;LT;LV;MK;RO;SI
EP 866588 P 19980923 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)
EP 866588 P 20021204 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE
EP 866588 P 20021204 EP AX EXTENSION OF THE EUROPEAN
PATENT TO (ERSTRECKUNG DES EUROPAEISCHEN
PATENTS AUF)
AL;LT;LV;MK;RO;SI
EP 866588 P 20021204 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))
EP 866588 P 20021204 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/30 A, 7H 04B 1/707 B, 7H 04L 12/28
B

JAPAN (JP)

Patent (No,Kind,Date): JP 10322242 A2 19981204
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ITS RELATING METHOD
(English)
Patent Assignee: HARRIS CORP
Author (Inventor): SNELL JAMES LEROY
Priority (No,Kind,Date): US 819846 A 19970317
Applic (No,Kind,Date): JP 9867463 A 19980317
IPC: * H04B-001/707; H04B-001/40; H04Q-007/32; H04L-012/28
Derwent WPI Acc No: * G 98-483328
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5982807 A 19991109
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ASSOCIATED METHODS
(English)
Patent Assignee: HARRIS CORP (US)
Author (Inventor): SNELL JAMES LEROY (US)
Priority (No,Kind,Date): US 819846 A 19970317
Applic (No,Kind,Date): US 819846 A 19970317
National Class: * 375200000; 375205000; 375206000; 375208000;
375209000
IPC: * H04B-015/00
Derwent WPI Acc No: * G 98-483328
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 5982807 P 19970317 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 819846 A 19970317

US 5982807 P 19991109 US A PATENT
US 5982807 P 20020924 US RF REISSUE APPLICATION FILED
(REISSUE APPL. FILED)
20021109